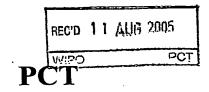
PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

398, Hase, Atsugi-shi, Kanagawa 2430036 Japan



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing (day/month/year) <u>09.</u> 8. 2005

Applicant's or agent's file reference 00000PCT7821

FOR FURTHER ACTION

See paragraph 2 below

International application No. PCT/JP2005/007113 International filing date (day/month/year) 06.04.2005

Priority date (day/month/year) 09.04.2004

International Patent Classification (IPC) or both national classification and IPC Int.CL. GO 6K 19/00, 17/00, B65G61/00, H04B1/59, 5/02

Applicant

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

1.	This opinion	contains	indications	relating to	the f	following it	ems:
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Basis of the opinion Box No. I V

Priority Box No. II

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III

Box No. IV Lack of unity of invention

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Box No. V

citations and explanations supporting such statement

Certain documents cited Box No. VI

Certain defects in the international application Box No. VII

Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220.

Date of completion of this opinion 22.07.200	5		
	Authorized officer	5B	8627
Japan Patent Office	Ryohei Otsuka Telephone No. +81-3-3581-1101 Ext.	3546	<u> </u>

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/007113

Box No. 1	
1. With whic	regard to the language, this opinion has been established on the basis of the international application in the language in the it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the med invention, this opinion has been established on the basis of:
a. ty	rpe of material
Г	a sequence listing
Г	table(s) related to the sequence listing
ī	ormat of material in written format in computer readable form
,	contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has bee filed or furnished, the required statements that the information in the subsequent or additional copies is identical to the in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
	iditional comments:
4. Ac	Minoria commercial
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/007113

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industricitations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims	1-12	YES		
, 15.15.5	Claims		NO		
	•		YES		
Inventive step (IS)	Claims	1-12	NO		
	Claims	1-12			
Industrial applicability (IA)	Claims	1-12	YES		
••	Claims		NO		
		·	•		
2. Citations and explanations					
71.TP 2004-21484 A	DAI NI	PPON PRINTING CO., Ltd.)			
2004.01.22, paragarap	hs[0015]-[0019], (Family none)			
A2:JP 2003-345818 A	(HITACI	HI, LTD.)			
2003.12.05,paragarap	กรไบบบช	3]-[0014] & CN A 001460949			

A3: JP 2001-155134 A(SEIKO EPSON CORPORATION), 2001.06.08, claims1,2, (Family none)

A4:JP 11-66250 A(TOSHIBA CORPORATION)

1999.03.09,paragaraphs[0039]-[0048],(Family none)

A5:JP 2000-138621 A(HITACHI MAXWELL CO.,Ltd.)

2000.05.16,paragaraph[0014],(Family none)

Claims 1,2,3,6,7,8,9

The subject matters of claims 1,2,3,6,7,8,9 do not appear to involve an inventive step in view A1, A2 and A3. A1 discloses a system comprising a cover over non-contact data carrier, providing with a resonance circuit, and a reader/writer. A2 discloses a product managing system comprising a package for packing a product provided with an IC chip, and a reader. A3 discloses an IC chip comprises a thin film integrated circuit. Therefore, the skilled person in the art would easily conceive the idea of applying the product managing system in A2 to the system in A1, and also said IC chip comprising the thin film integrated circuit in A3 to said non-contact data carrier in Al.

Claims 4,5

The subject matters of claims 4,5 do not appear to involve an inventive step in view A1, A2, A3 and A4. A4 discloses a relay device has two different communication methods. Therefore, the skilled person in the art would easily conceive the idea of applying the technical feature in A4 to the resonance circuit in A1.

Claims 10,11,12

The subject matters of claims 10,11,12 do not appear to involve an inventive step in view A1 ,A2 ,A3 and A5. A5 discloses some boosters are connected between a non-contact data carrier and a reader/writer. Therefore, the skilled person in the art would easily conceive the idea of applying the

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP20.05/007113

Supplemental Be	X
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In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box No. V

technical feature in A4 to the resonance circuit in A1.

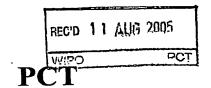
Form PCT/ISA/237 (Supplemental Box) (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

398, Hase, Atsugi-shi, Kanagawa 2430036 Japan



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing (day/month/year) <u>0</u>9. 8. 2005

Applicant's or agent's file reference 00000PCT7821

FOR FURTHER ACTION

See paragraph 2 below

International application No. PCT/JP2005/007113 International filing date (day/month/year) 06.04.2005

Priority date (day/month/year)

09.04.2004

International Patent Classification (IPC) or both national classification and IPC

Int.CL. GO6K 19/00, 17/00, B65G61/00, H04B1/59,

Applicant

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

1.	This opinion	contains	indications	relating	to the	followin	g items:
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Basis of the opinion V Box No. I

Priority Box No. II

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III

Lack of unity of invention Box No. IV

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Box No. V

citations and explanations supporting such statement

Certain documents cited Box No. VI

Certain defects in the international application Box No. VII

Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

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For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220.

Date of completion of this opinion 22.07	7.2005			
Name and mailing address of the ISA/JP	Authorized officer		5B	8627
Japan Patent Office	Ryohei Otsuka Telephone No. +81-3-3581-1101	Ext.	3546	;
3.4-3 Kasumigaseki, Chiyoda-ku, Tokyo 100-8915,	Japan Telephone No. 181-3-3301-1101			

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/007113

	Basis of the opinion		·			
	ard to the language, this opin was filed, unless otherwise indi uis opinion has been establishe which is	icated under INIS HOUL	lation from the Ori	oinal language	into the follov	ving language
Rı	ules 12.3 and 23.1(b)).	·				
	· ·					
With reg	gard to any nucleotide and/or invention, this opinion has bee	amino acid sequence on established on the basi	disclosed in the in s of:	ternational app	olication and	necessary to the
a type o	of material					
_	a sequence listing					
٣	table(s) related to the sequ	ience listing				
h form:	at of material					
U. 1012	in written format					
i-	in computer readable form					
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c. time	of filing/furnishing					
C. III.	contained in the internation	nal application as filed.		_		
i i	filed together with the inte	ernational application in	computer readable	form.		
Ĺ.	furnished subsequently to	this Authority for the pu	imposes of search.			
3. Г	In addition, in the case that m	nore than one version or	copy of a sequence	e listing and/o sequent or add	r table relatin itional copies	g thereto has been is identical to the
. ୮	In addition, in the case that m filed or furnished, the required in the application as filed or o	nore than one version or d statements that the infe does not go beyond the	copy of a sequence ormation in the sub- application as filed	e listing and/o sequent or add i, as appropria	r table relatin itional copies tc, were furni	g thereto has been is identical to the shed.
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/007113

Statement			
Novelty (N)	Claims	1-12	YES
• • •	Claims		ио
Inventive step (IS)	Claims	_	YES
mvenuve such (10)	Claims	1-12	NO.
Industrial applicability (IA)	Claims	1-12	YES
manana appnoaum (M)	Claims		NO
Citations and explanations		DROW DRINGTNC CO I+d \	
1:JP 2004-21484 A(DAT NI	PPON PRINTING CO.,Ltd.)]-[0019],(Family none)	
ZOUZ DI VV NAMAGAMANI	コンドハハエン] [OOTS] , (ranger)	

Claims 1,2,3,6,7,8,9

2001.06.08, claims1, 2, (Family none) A4:JP 11-66250 A(TOSHIBA CORPORATION)

1999.03.09,paragaraphs[0039]-[0048],(Family none) A5:JP 2000-138621 A(HITACHI MAXWELL CO., Ltd.)

2000.05.16,paragaraph[0014],(Family none)

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Claims 4,5

The subject matters of claims 4,5 do not appear to involve an inventive step in view A1, A2, A3 and A4. A4 discloses a relay device has two different communication methods. Therefore, the skilled person in the art would easily conceive the idea of applying the technical feature in A4 to the resonance circuit in A1.

Claims 10,11,12

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/007113

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box No. V

technical feature in A4 to the resonance circuit in A1.

Form PCT/ISA/237 (Supplemental Box) (January 2004)